AHONY
Go Solar Gain Power Go Anywhere

Folding Solar Charger
eMobi F series

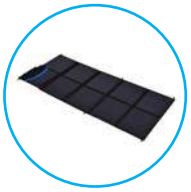








eMobi F USB series



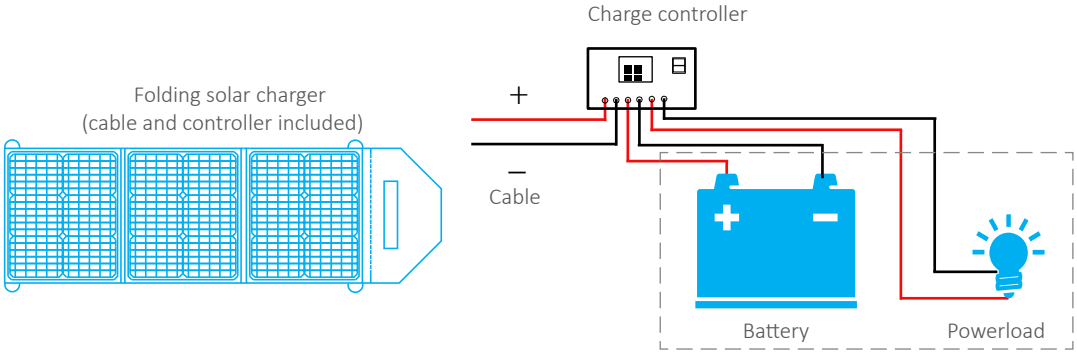
eMobi F M series



eMobi F SP series

Introduction

eMobi F series folding solar kit is foldable,portable design solar charging kit,it's made by high quality waterproof textile,including different kinds of connection ports:5v,9v,12v,19v etc,charging different digital devices or powerloads.
eMobi F USB series is for 5v-19v,power range from 1w to 100w;
eMobi FM series uses regular mono or polycrystalline solar cells,12v or 24v,power range:40w-250w;
eMobi FSP uses higher efficiency cells,premium workmanship,12v or 24v,power range:40w-200w.
The folding solar kit are mainly for off grid use like rv,motorhome,camping,boat,marine,remote medical care, emergency,disaster recovery.



Advantage

High Efficiency Cell
Up to 24% efficiency PERC or IBC-back contact solar cells.

Ultralight
Plastic material replace glass,60% lighter and portable.

Foldable&Portable
Foldable,all parts in one design with carry bag,easy to carry and use.

Waterproof
PU coated textile provents water from entering parts.

Overcharging Protection
All panels has inner protection to avoid overcharge damage,power loss while shading, get maximum power all the time.

Customize Service
Different sizes,shape,parts to meet various needs.CE,ROHS certification.



PHYSICAL CHARACTERISTICS*

*High efficiency mono solar cell,efficiency up to 22%.
*High temperature resistance fibreglass back;
*Flexibile on customize into different sizes,folds;
*Waterproof textile,high temp&UV resistance cable;
*With supporting leg get 20% more power.

PRODUCT APPLICATION*

*Self-driving travel
*Cycling
*Mountain climbing
*Yacht,boat,marine
*Desert
*Snow mountain
*Disaster area
*Camping picnic
*Portable refrigerator

WIDELY USED FOR BATTERY*

-Portable solar generator
-Lead acid/gel/Lithium battery
-Marine use battery
-Electrical motocycle
-Car battery etc
-From 3.2v-24v solar batteries and powerload.

BATTERY MOBILE SAILING OFF GRID OUTDOOR

ELECTRICAL PARAMETERS* eMobi F M series

Model No.	eMobi F50W	eMobi F60W	eMobi F100W	eMobi F120W	eMobi F160W	eMobi F200W	eMobi F250W
Maximum Power[Wp]	50	60	100	120	160	200	250
Solar Cell	A Grade Mono Solar Cell						
Panel Array[pcs]	1*4	1*3	2*4	2*3	2*4	2*5	2*5
Cell Efficiency	21.3%	21.3%	21.3%	21.3%	21.3%	21.3%	21.3%
Folded size[mm]	355*274*40	400*360*30	355*274*60	400*360*70	400*360*80	400*360*100	460*360*100
Unfolded size[mm]	1233*355*4	1260*400*4	1233*710*4	1260*800*4	1620*800*4	1980*800*4	1980*920*4
Max Power Voltage Vmp[V]	20.26	20.26	20.26	20.26	20.26	20.26	40.52
Max Power Current Imp[A]	2.47	2.96	4.94	5.92	7.9	9.87	6.17
Open Circuit Voltage Voc[V]	24.05	24.05	24.5	24.05	24.05	24.05	48.1
Short Circuit Current Isc[A]	2.62	3.14	5.23	6.28	8.37	10.46	6.54
Net.Weight[kg]	2.4	2.6	3.4	3.8	4.5	7.9	9.8
Operating Temperature[℃]	-40/+85						
Temp.Coeffi.Pmax[%/℃]	-0.40						
Temp.Coeffi.Voc[mV/℃]	-2mV						
Temp.Coeffi.Isc[mA/℃]	0.037						
Max System Voltage[V]	100V DC						
Supporting Leg	Yes	Yes	No	No	No	No	No
Charge controller	10A	10A	10A	10A	10A	20A	10A
Certification	CE,RoHS,ISO9001						
Cables and Connectors	5m cable,MC4 connector,battery clips						
Standard Test Conditions	STC: 1000W/m², AM 1.5 and cell temp 25°C						

*AHONY offer customize service,please refer to our website or ask AHONY workers for more sizes and the latest parameters.